

Title (en)

Device for detecting leaks in liquid petroleum gas containers.

Title (de)

Leckanzeigevorrichtung für Behälter von flüssigem Erdölgas.

Title (fr)

Dispositif de détection de fuites de récipients de gaz à pétrole liquide.

Publication

EP 0387542 A2 19900919 (EN)

Application

EP 90102999 A 19900216

Priority

ES 8900870 U 19890317

Abstract (en)

A device for detecting leaks in liquid petroleum gas containers is designed to form part of a production line on which the filling of the containers and other checks and/or analyses take place, the part of the structure of which the device forms part includes at its entrance a braking mechanism (4) to prevent the entry of a container when another one is in the detection zone properly speaking; following the said brake there being a large scale leak detecting zone, which includes an overhead mechanical detector (6) which is situated to the side of and facing the container's valve, on the passage of the container along the structure; whose large scale leak detector, in the case that it detects one, sends a signal to an entry guide which diverts the respective container out of the production line; following this detector of large scale leaks a normal detection zone has been provided in which there is an overhead collector hood (9) under which the container's valve is positioned so that the former can take a sample which is sent to some detectors for analysis of the said sample; this zone also including some means for positioning and centering the container, formed by a trolley (12) movable by the action of a pneumatic cylinder (14), a trolley laterally mounted and equipped with a pair of wheels which push the container towards other sets of static wheels (15), functioning as a stop, and set in the opposite lateral zone and facing that where the trolley is located, providing in the exit a diverter (17), and in the overall structure a control and governing unit (18) for all of the components.

IPC 1-7

F17C 13/02; **G01M 3/22**

IPC 8 full level

F17C 5/00 (2006.01); **F17C 13/02** (2006.01); **F17C 13/12** (2006.01); **G01M 3/22** (2006.01)

CPC (source: EP)

F17C 5/005 (2013.01); **F17C 13/123** (2013.01); **G01M 3/224** (2013.01); **F17C 2221/035** (2013.01); **F17C 2223/0153** (2013.01); **F17C 2223/033** (2013.01); **F17C 2250/0452** (2013.01); **F17C 2260/038** (2013.01); **F17C 2270/059** (2013.01); **F17C 2270/0745** (2013.01)

Cited by

EP2199655A1; FR2686143A1

Designated contracting state (EPC)

AT BE CH DE DK FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0387542 A2 19900919; **EP 0387542 A3 19901219**; **EP 0387542 B1 19940504**; AT E105391 T1 19940515; DE 387542 T1 19910411; DE 69008592 D1 19940609; DE 69008592 T2 19941006; DK 0387542 T3 19940905; ES 1009661 U 19891001; ES 1009661 Y 19900316

DOCDB simple family (application)

EP 90102999 A 19900216; AT 90102999 T 19900216; DE 69008592 T 19900216; DE 90102999 T 19900216; DK 90102999 T 19900216; ES 8900870 U 19890317